

City of Maple Valley
6 Year
Transportation Improvement Program
2021 - 2026





Project: T-23 Annual Asphalt Over Lay Program

Beginning Termini: City Wide

Ending Termini:

Project Length: Varies

TIP Ranking: 1

Potential Funding Sources:

City: \$ 300,000 (annual)

Est Project Timeline:

PE:

ROW:

CONS: 2021-2026

Existing Conditions:

Traffic Count: Varies

No. of Lanes Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This project provides annual funding for the City's pavement management program. Based on an annual review of the condition of the City's roadways, a road segment or segments are selected for repair or overlay to maintain the integrity of the City's street system. In 2012, the City adopted a Transportation Benefit District (TBD) to fund various transportation improvements; funded by a \$20 vehicle license fee. The City started collecting the fee mid 2013 monthly with a distribution from the State of Washington. The annual collection amounts are typically \$400,000.

In 2019, Washington voters repealed the ability of local jurisdictions to collect TBD funds (I-976). Solid waste utility tax could be adopted which could provide for replacement funds to continue the pavement overlay program.

2021-2026 Scheduled Overlay Locations TBD from Pavement Overlay Rating and funding.



Project: T-24 Miscellaneous Street Improvements

Beginning Termini: City Wide

Ending Termini:

Project Length: Varies

TIP Ranking: 2

Potential Funding Sources:

City: \$100,000 (annual)

Grant: \$500,000 (biannual)

Est Project Timeline:

PE:

ROW:

CONS: 2021-2026

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This project provides annual funding for small projects. The focus of the project for the last three years has been neighborhood traffic calming enhancements. The program, based on an annual review of near-term needs and opportunities, may fund improvements to sidewalks, street connections, and minor reconstruction. Given the limited funding available, priority will be given to improvement projects that are supported through partnerships or where the investment can be combined with other City projects.

In 2020, the City applied for WSDOT funding to implement projects identified in the Local Roads Safety Plan. Funding to construct these projects is identified every other year based on grant awards.



Project: T-27 Non-Motorized Plan Implementation

Beginning Termini: City Wide

Ending Termini:

Project Length: Varies

TIP Ranking: 3

Potential Funding Sources:

City: \$100,000 (annual)

Grant: \$500,000 (2025)

Est Project Timeline:

PE:

ROW:

CONS: 2021-2026

Existing Conditions:

Traffic Count: Varies

No. of Lanes Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the non-motorized transportation plan adopted in 2012. Projects include improvements to short sections of sidewalks, trails, bikeways, and wayfinding signage. Funds may also be used as the local match for grants.

In 2024, the City intends to apply for WSDOT funding to implement non-motorized projects identified in the Local Roads Safety Plan.



Project: T-28b Witte Road Improvements – Phase 3

Beginning Termini: SE 256th Street

Ending Termini: SE 249th Place

Project Length: 1660 feet

TIP Ranking: 4

Potential Funding Sources:

City: \$ 1.3M

Grants: \$ 8M

Est Project Timeline:

PE: 2019-2020

ROW: 2020

CONS: 2021

Existing Conditions:

Traffic Count: 14,700 ADT

No. of Lanes 2

Lane Widths: 11 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: None

Shoulder Widths: 2 feet

3 Yr Collision History:

Property: 2

Injuries: 5

Fatalities: 0

Basis for Project: Extending improvements on Witte Road south of the roundabout, this project rehabilitates the road surface and adds pedestrian and bicycle facilities to the corridor serving the neighborhoods north of Pipe Lake and Lake Lucerne. Improvements include retaining walls on the easterly side to gain the additional width needed to install improvements to a complete streets level of service. A roundabout at the intersection of Witte Road and SE 254th Place is included in this project as well as two fish passage culverts.

Undergrounding of overhead utilities and relocated watermain to be completed in Phase 2 in 2020.

Project Budget

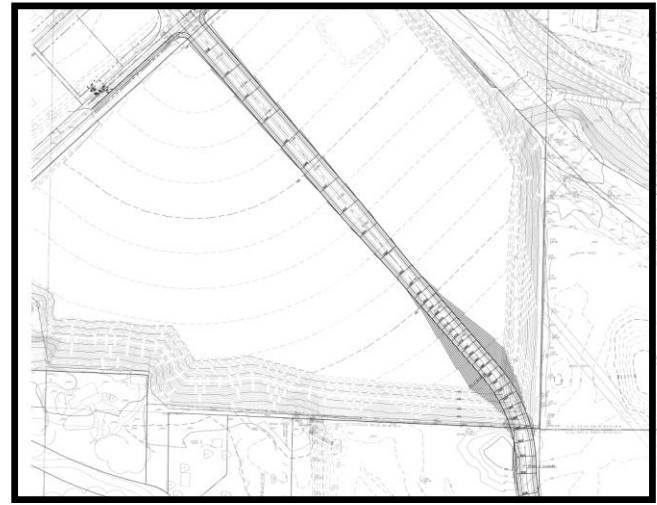
Design: \$0 (Completed with Phase 2)

ROW Acquisition \$50K

Construction Management \$600K

Construction \$8.7M

TOTAL PROJECT COST: \$9.3M



Project: T-48 SE 231st Street Extension

Beginning Termini: Witte Road

Ending Termini: End of new 228th Avenue SE

Project Length: 1700 feet

TIP Ranking: 5

Potential Funding Sources:

City: \$ 835K

Developer: \$ 2M

Grants: \$ 3M

Est Project Timeline:

PE: 2020

ROW: 2020

CONS: 2021

Existing Conditions:

Traffic Count: N/A

No. of Lanes: N/A

Lane Widths: N/A

Sidewalk: N/A

Sidewalk Width: N/A

Bike Lanes: N/A

Shoulder Widths: N/A

3 Yr Collision History:

Property: N/A

Injuries: N/A

Fatalities: N/A

Basis for Project: This project creates an arterial connection through the former Hayes Gravel pit, slated for industrial development, providing a direct access to the SR 18 interchange. This arterial connection will provide one lane in each direction with a center lane in the industrial area, include sidewalk and bicycle lanes, and street lighting.

The City is pursuing a developer agreement with the developer in order to score additional points in the TIB Urban Arterial Program.

Project Budget

Design: \$300K

ROW Acquisition \$500K

Construction Management \$500K

Construction \$4M

TOTAL PROJECT COST: \$5.8M



Project: T-45 SR 169 Widening- 4

Beginning Termini: SE 253rd Place

Ending Termini: SE 260th Street

Project Length: 2300 feet

TIP Ranking: 6

Potential Funding Sources:

City: \$2.4M

Grants: \$7.6M -TIB/CERB

Est Project Timeline:

PE: 2019-2022

ROW: 2022

CONS: 2023

Existing Conditions:

Traffic Count: 21,000 ADT

No. of Lanes 2-3

Lane Widths: 12 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: None

Shoulder Widths: 4-8 feet

3 Yr Collision History:

Property: 7

Injuries: 3

Fatalities: 1

Basis for Project: This section of the SR 169 corridor improves access and amenities in the vicinity of the Legacy Site commercial area. Improvements include two lanes in both directions, transit facilities, sidewalks, bicycle lanes, street lighting, stormwater enhancements, a new signal at SR 169/SE 260th St, intersection improvements at SR 169/SE 253th Place, and a roundabout in the vicinity of Rock Creek Elementary school and the Legacy Site entrance (formerly T-46).

Project Budget

Design: \$900K

ROW Acquisition \$100K

Construction Management \$1M

Construction \$8M

TOTAL PROJECT COST: \$10M



Project: T-36 SR 169 Widening - 2

Beginning Termini: SE 240th Street

Ending Termini: SE 244th Street

Project Length: 2700 feet

TIP Ranking: 7

Potential Funding Sources:

City \$1.2M

Grants: \$8.5M -TIB

Est Project Timeline:

PE: 2019-2022

ROW: 2024

CONS: 2024

Existing Conditions:

Traffic Count: 24,000 ADT

No. of Lanes 3+

Lane Widths: 12 feet

Sidewalk: One side Partial

Sidewalk Width: 5 feet

Bike Lanes: None

Shoulder Widths: 4 feet +

3 Yr Collision History:

Property: 18

Injuries: 3

Fatalities: 0

Basis for Project: The second segment in the series of capacity improvements on the SR 169 corridor; this project adds an additional lane in both directions to include center turn lanes, sidewalks, bicycle lanes, improved transit stops, street lighting, and enhanced storm drainage. This eliminates a bottleneck for traffic traveling to and from SR 18 and Wilderness Village shopping area.

Project Budget

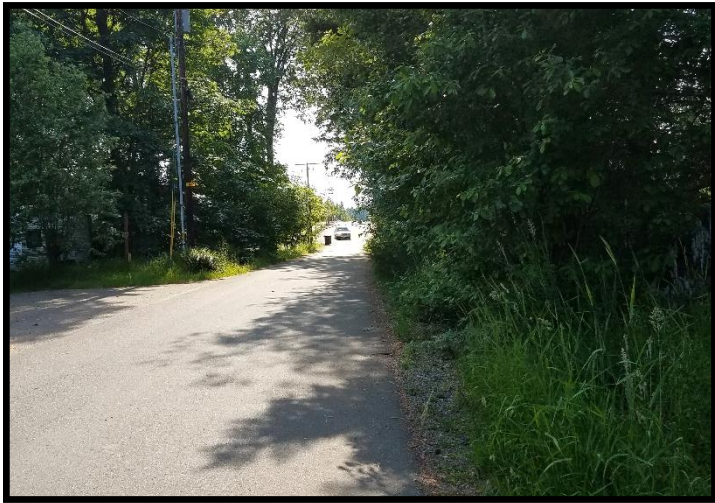
Design: \$800K

ROW Acquisition	\$100K
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Construction Management \$800M

Construction	\$8M
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TOTAL PROJECT COST: \$9.7M



Project: T-33c SE 283rd Street Gap Improvement

Beginning Termini: 228th Avenue SE

Ending Termini: 350 feet west of 228th Avenue

Project Length: 350 feet

TIP Ranking: 8

Potential Funding Sources:

City: \$ 376,000

Est Project Timeline:

PE: 2022

ROW: 2022

CONS: 2022

Existing Conditions:

Traffic Count: > 1,000 ADT

No. of Lanes	2
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Lane Widths: 10 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: None

Shoulder Widths: None

3 Yr Collision History:

Property: 0

Injuries: 0

Fatalities:0

Basis for Project: The southern portion of right of way (ROW) on this section of SE 283rd is in private ownership and was not completed as part of past development. It is a gap in the full width street section. Improvements include purchase of remaining ROW, full width lanes, sidewalks, and drainage improvements.

Item No	Description	Item Cost
1	Mobilization & Site Prep	\$34,000
2	Earthwork & Subgrade	\$23,000
3	Road way Surfacing	\$32,000
4	Sidewalk Elements	\$35,000
5	Storm Drainage	\$55,000
6	Bridge/Walls/Structures	\$0
7	Environmental Mitigation	\$0
8	Street Lights	\$30,000
9	Traffic Elements	\$13,000
10	Misc. Construction Elements	\$50,000
	Construction SUBTOTAL	\$272,000
	Contingency	\$41,000
	Construction Management	\$27,000
	Project SUBTOTAL	\$340,000
	Design Engineering	\$16,000
	ROW Acquisition	\$20,000
	Project Total Cost	\$376,000



Project: T-53 SR 516 Multi-Modal Improvements - 1
(south side)

Beginning Termini: Witte Road

Ending Termini: 228th Avenue SE

Project Length: 1300 feet

TIP Ranking: 9

Potential Funding Sources:

City: \$ 747,000

Grants: \$

Est Project Timeline:

PE: 2024-2025

ROW:

CONS: 2026

Existing Conditions:

Traffic Count: 19,500 ADT

No. of Lanes 2-3

Lane Widths: 12 feet

Sidewalk: One side

Sidewalk Width: 5 feet

Bike Lanes:

Shoulder Widths: 3-10 feet

3 Yr Collision History:

Property: 0

Injuries: 0

Fatalities: 0

Basis for Project: This project completes a gap in the sidewalk on the south side of Kent-Kangley Road (SR 516) between Witte Road and 228th Ave SE. This project, coupled with a phase 2 multi-modal project, will provide continuous sidewalk facilities, both sides, on SR 516 from Witte Road to SR 169 and the east City Limits.

Item No	Description	Item Cost
1	Mobilization & Site Prep	\$49,000
2	Earthwork & Subgrade	\$16,000
3	Road way Surfacing	\$7,000
4	Sidewalk Elements	\$69,000
5	Storm Drainage	\$87,000
6	Bridge/Walls/Structures	\$200,000
7	Environmental Mitigation	
8	Street Lights	
9	Traffic Elements	\$33,000
10	Misc. Construction Elements	\$50,000
	Construction SUBTOTAL	\$511,000
	Contingency	\$77,000
	Construction Management	\$59,000
	Project SUBTOTAL	\$647,000
	Design Engineering	\$100,000
	ROW Acquisition	
	Project Total Cost	\$747,000



Project: T-54 SR 516 Multi-Modal Improvements - 2

Beginning Termini: 850 feet East of 228th Avenue SE

Ending Termini: 238th Ave SE/236th Place SE

Project Length: 3000

TIP Ranking: 10

Potential Funding Sources:

City: \$1,339,000

Grants: \$

Est Project Timeline:

PE: 2024-2025

ROW:

CONS: 2026

Existing Conditions:

Traffic Count: 18,800 ADT

No. of Lanes 2-3

Lane Widths: 12 feet

Sidewalk: None

Sidewalk Width:

Bike Lanes: none

Shoulder Widths: 3-5 feet

3 Yr Collision History:

Property: 4

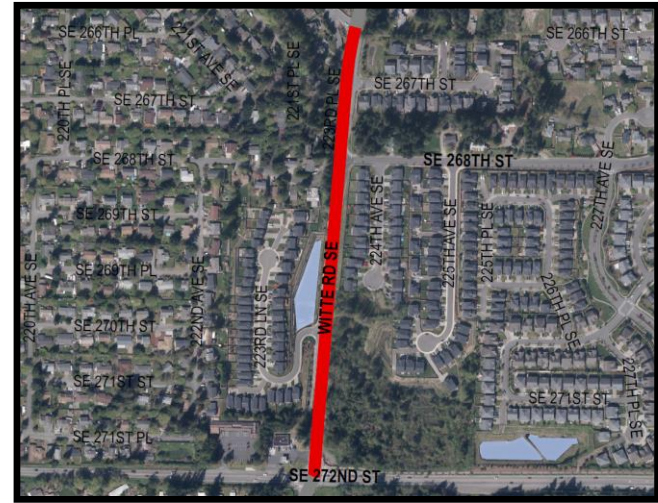
Injuries: 1

Fatalities: 0

(No Ped collisions)

Basis for Project: A significant gap in the sidewalk alignment exists on both sides of the road (5,850 feet of sidewalk length). Since the recreational amenities provided by the high school, and now Summit Park, were constructed, pedestrian activity on these marginally improved shoulders has increased. This project would complete the gap in bicycle and pedestrian facilities in this corridor. Pedestrian crossing facilities are not included at this time.

Item No	Description	Item Cost
1	Mobilization & Site Prep	\$99,000
2	Earthwork & Subgrade	\$62,000
3	Road way Surfacing	\$27,000
4	Sidewalk Elements	\$235,000
5	Storm Drainage	\$264,000
6	Bridge/Walls/Structures	
7	Environmental Mitigation	
8	Street Lights	
9	Traffic Elements	\$38,000
10	Misc. Construction Elements	\$170,000
	Construction SUBTOTAL	\$895,000
	Contingency	\$135,000
	Construction Management	\$103,000
	Project SUBTOTAL	\$1,133,000
	Design Engineering	\$206,000
	ROW Acquisition	\$0
	Project Total Cost	\$1,339,000



Project: T-28c Witte Road Improvements - 5

Beginning Termini: 222nd Avenue SE

Ending Termini: SR 516 (Kent-Kangley Road)

Project Length: 1870 feet

TIP Ranking: 11

Potential Funding Sources:

City: \$6.2M

Grants:

Est Project Timeline:

PE: 2026

ROW:

CONS: TBD

Existing Conditions:

Traffic Count: 12,000 ADT

No. of Lanes 2-3

Lane Widths: 12 feet

Sidewalk: Partial – One side

Sidewalk Width: 5 feet

Bike Lanes: None

Shoulder Widths:3-8 feet

3 Yr Collision History:

Property: 6

Injuries: 2

Fatalities: 0

Basis for Project: This improvement to the southern portion of the Witte Road corridor between SR 169 and SR 516 serves several large neighborhood access points. Project will improve sight distance, add sidewalks and bicycle lanes, enhanced stormwater facilities, and provide improved channelization to SR 516.

Project Budget

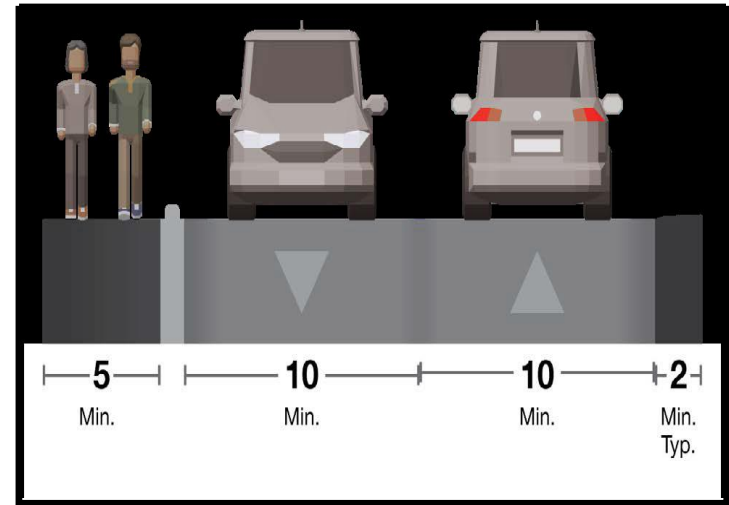
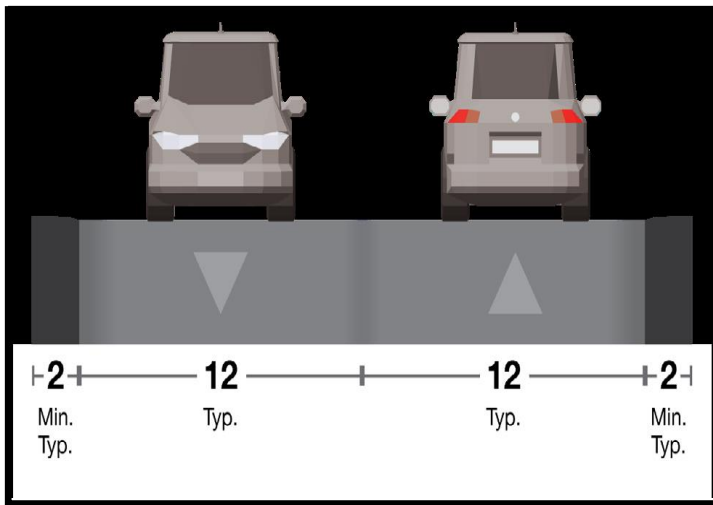
Design: \$600K

ROW Acquisition **\$100K**

Construction Management \$500K

Construction	\$5M
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TOTAL PROJECT COST: \$6.2M



Project: T-27a Curbed Walkway Improvements

Beginning Termini: Various, see TIP Location Map

Ending Termini:

Project Length: Varies

TIP Ranking: 12

Potential Funding Sources:

City: \$55,000

Grant: \$505,000

Est Project Timeline:

PE:

ROW:

CONS: 2021-2026

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

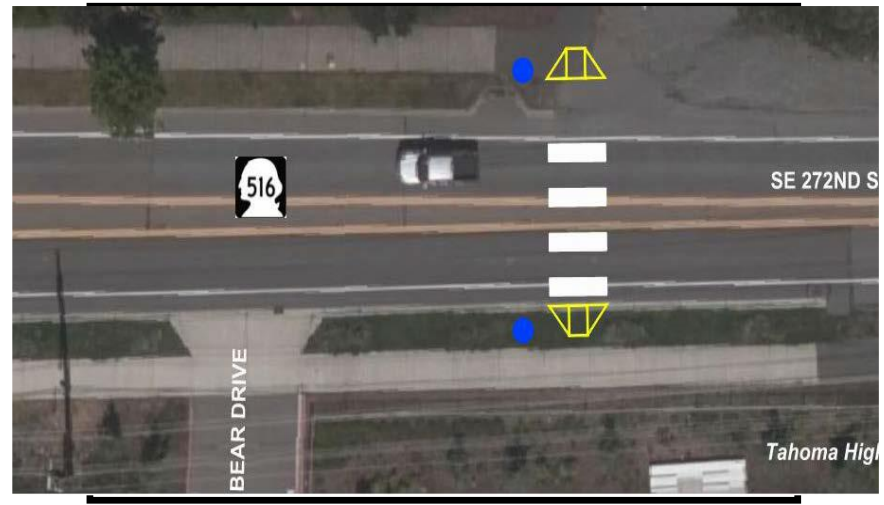
Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP.

To bridge gaps between existing pedestrian facilities and limit the locations where pedestrians must use the roadway, asphalt pathways will be constructed within the existing right of way. In some of these locations, an existing wide roadway shoulder will be repurposed as the walkway, narrowing vehicle lanes, with concrete curbing, painted white and enhanced with vertical markers for visibility, will provide a physical barrier between the walkway and travel lanes. Some locations may require widening of the shoulder or paving of currently unpaved paths to provide the pedestrian connection. This project provides for separated walkways in various locations in the City.

Design and construction would be completed as grant funding becomes available.



Project: T-27b Crossing Enhancements

Beginning Termini: Various, see TIP Location Map

Ending Termini:

Project Length: Varies

TIP Ranking: 13

Potential Funding Sources:

City: \$53,000

Grant: \$402,000

Est Project Timeline:

PE:

ROW:

CONS: 2021-2026

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

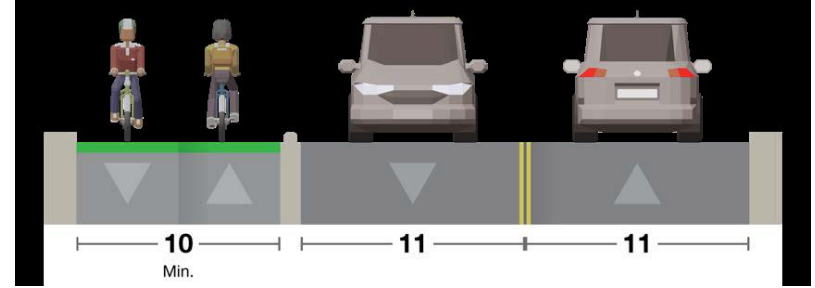
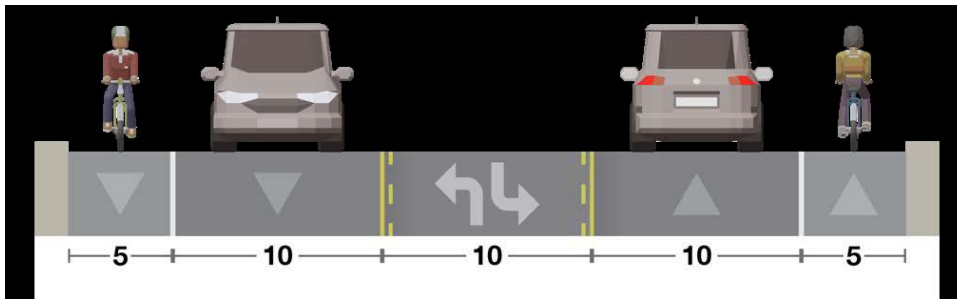
Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP. This project provides for crossing enhancements in various locations in the City.

The project improves several crossings in the southern part of the City, including some identified in the 2013 Non-motorized Transportation Plan. The crossing enhancements create pedestrian network connections and help to limit the use of unprotected roadway facilities by pedestrians. The crossing improvements will include, as necessary, crosswalk markings, signage, curb ramp replacements and RRFBs.

Design and construction would be completed as grant funding becomes available.



Project: T-27c Cedar to Green River Trail Access

Beginning Termini: SE 264th Street

Ending Termini:

Project Length: Varies

TIP Ranking: 14

Potential Funding Sources:

City: \$26,000

Grant: \$196,000

Est Project Timeline:

PE:

ROW:

CONS: 2021-2026

Existing Conditions:

Traffic Count: Varies

No. of Lanes: Varies

Lane Widths: 10-12 feet

Sidewalk: Varies

Sidewalk Width:

Bike Lanes: Varies

Shoulder Widths:

Basis for Project: This line item provides funding to implement the projects identified in the Local Roads Safety Plan. Projects receiving state funds must be included in the local TIP.

This project would extend existing bike lanes at the intersection of SE 264th Street and SR-169 to the intersection with 238th Ave SE. On the west side of 238th Ave SE, an RRFB protected crossing, marked for cyclists and pedestrians, would cross all active transportation traffic to the south side of the road. A crosswalk at the west side of the 238th Ave SE intersection will align with an access point for an under construction multifamily residential neighborhood north of SE 264th Street. From the crossing point, a two-way active transportation facility, separated by a physical barrier will provide bicycle and pedestrian connections to the trail access point, 400 feet west of 238th Ave SE.

Design and construction would be completed as grant funding becomes available.



Project: T-56 SE 240th Street Extension

Beginning Termini: 240th Street at Witte Road

Ending Termini: SE Wax Road

Project Length: 2,600 feet

TIP Ranking:

Potential Funding Sources:

City: \$1.5M

Grants: \$10M

Est Project Timeline:

PE: 2023-2025

ROW: 2024

CONS: 2025-2026

Existing Conditions:

Traffic Count: N/A

No. of Lanes	N/A
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Lane Widths: N/A

Sidewalk: N/A

Sidewalk Width: N/A

Bike Lanes: N/A

Shoulder Widths: N/A

3 Yr Collision History:

Property: N/A

Injuries: N/A

Fatalities: N/A

Basis for Project: This project creates an arterial connection from the existing SE 240th Street and Witte Road intersection to SE Wax Road .This arterial connection will provide one lane in each direction with a center turn lane where needed, right and left turn lanes at the Witte Road intersection and a roundabout or signal at the SE Wax Road intersection. This project will include sidewalks, bicycle lanes, and street lighting.

Project Budget

Design: \$1M

ROW Acquisition **\$2M**

Construction Management \$1M

Construction	\$7.5M
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TOTAL PROJECT COST: \$11.5M